

# Demonstrating impact as a practitioner-researcher

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Heather Coates

IUPUI University Library Center for Digital Scholarship



INSTITUTIONAL  
CONTEXT

CASE  
FOR P&T

ALTMETRICS  
IN PRACTICE

BROADER  
IMPLICATIONS

# IUPUI P&T Guidelines

## 2016-2017 Promotion & Tenure Guidelines

- Evaluations cover the areas of **performance, professional development, and service.**
- For tenure, **performance must be excellent**, and professional development and service must be satisfactory.
- For promotion from assistant to associate librarian, **performance must be excellent**, and the candidate must demonstrate a level of achievement beyond satisfactory in one of the other two areas. The third area must be satisfactory.

# Institutional Values: Open Access

*IUPUI is committed to disseminating the fruits of its research and scholarly activities as widely as possible and as such supports faculty participating in digital open access distribution of their scholarship. The IUPUI Open Access Policy provides a no-cost, opt out approach to increase access to scholarly articles authored by campus faculty members.*

*Open access supports many of IUPUI's Institutional Values including: Civic Engagement; Collaboration; Diversity, Equity and Inclusion; Economic Development; Interdisciplinary Work and Publication; International Work and Publication; Public Scholars; and Translational Research.*

Institutional context

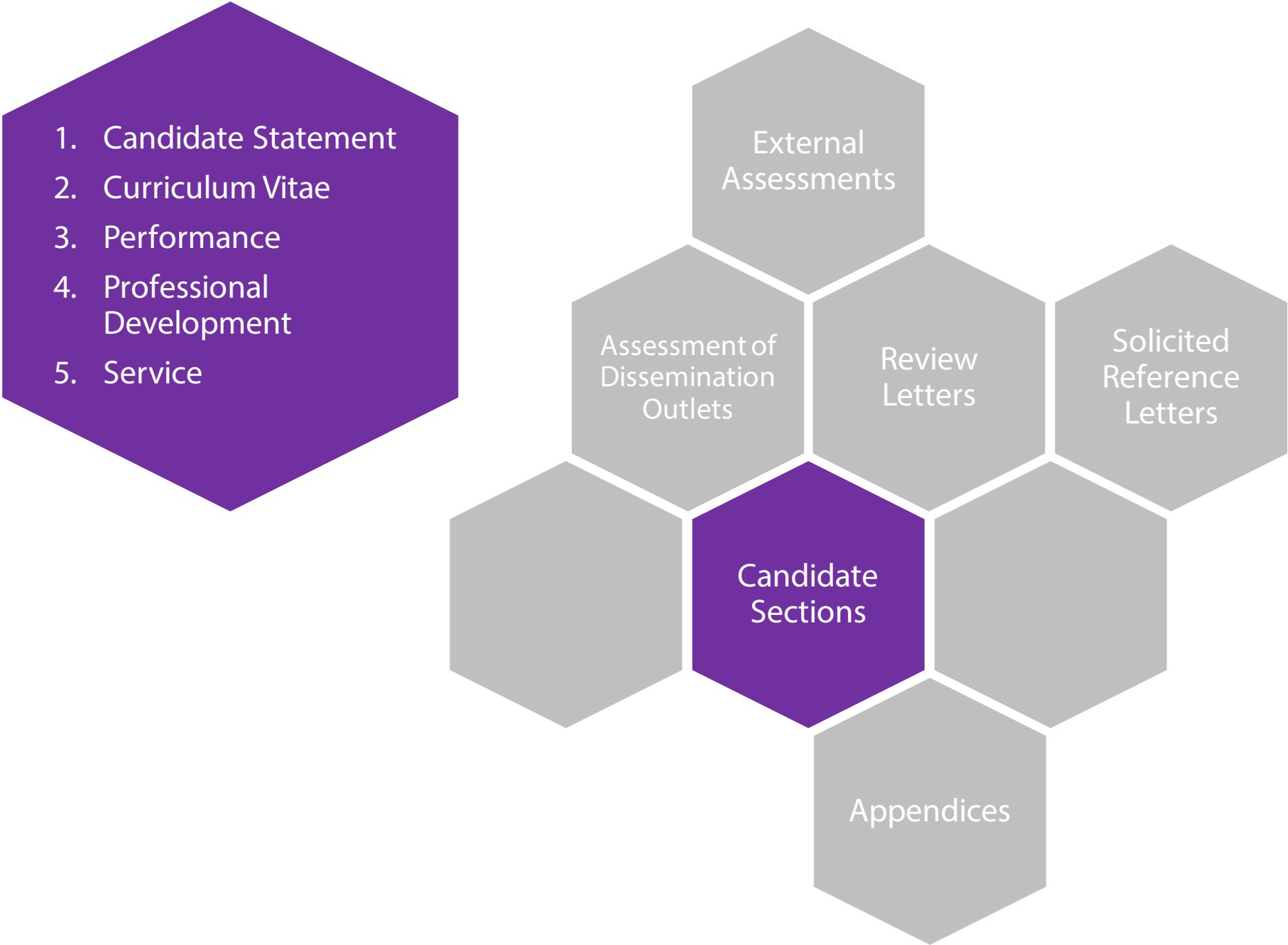
Case for P&T

Altmetrics in  
practice

Broader  
implications

# ELEMENTS OF THE IUPUI DOSSIER



- 
1. Candidate Statement
  2. Curriculum Vitae
  3. Performance
  4. Professional Development
  5. Service

External  
Assessments

Assessment of  
Dissemination  
Outlets

Review  
Letters

Solicited  
Reference  
Letters

Candidate  
Sections

Appendices

- Improve the research data practices of IUPUI faculty, staff, & students
- Identify effective instructional strategies for RDM

- Identify best practices for research data management (RDM)
- Identify incentives and barriers to data sharing and reuse

- Contribute to the data librarian/specialists community
- Contribute to the Open Science/Research community



**EXTERNAL RESEARCHERS**

**DATA LIBRARIANS**



**IUPUI FACULTY, STAFF, STUDENTS**



**ACADEMIC LIBRARIANS**



# Areas of Professional Development

- Evidence-based Practice (EBP)
- Building data services
- Teaching research data management (RDM)





## DATA SOURCES: Publisher statistics (OJS) & IR server statistics

### GOALS:

- Improve the quality of the evidence base for librarianship
- Demonstrate the value of critical appraisal and post-publication peer-review within the evolving scholarly ecosystem.

### OUTCOMES:

- Librarians use evidence summaries to inform their practice.
- Librarians improve research methods and reporting.

Evidence Based Library and Information Practice (EBLIP): Evidence Summaries	Citations	Views	Downloads
Exploring the Disconnect Between Information Literacy Skills and Self-Estimates of Ability in First-Year Community College Students (2013)	2	454	312
Academic Historians in Canada Report Both Positive and Negative Attitudes Towards E-books for Teaching and Research (2013)	0	261	147
Critical Thinking Exercises in the Classroom are Helpful but not Sufficient for Improving Critical Thinking Test Scores (2014)	0	179	137
Surveying North American academic library websites for instructional outreach and delivery reveals a broad range of approaches employed (2014)	0	302	128
Developing Countries Lag Behind the US and UK in Contributing to Institutional Repository Literature (2015)	0	57	40
Library and Information Science Research Literature is Chiefly Descriptive and Relies Heavily on Survey and Content Analysis Methods (2015)	0	453	189
<b>Metric Totals for Evidence Summaries</b>	<b>2</b>	<b>1706</b>	<b>953</b>

**MEANING: Advancing Knowledge, Translating Research Into Practice, Community Benefit**

## DATA SOURCES: Slideshare statistics

### GOALS:

- To inform the practice of teaching research data management by sharing my work openly so that others can use, adapt, and improve upon it.

### OUTCOMES:

- To build a collection of effective instructional materials for teaching research data management appropriate for Freshman through doctoral students and across a range of disciplines.

Product Title	Views	Downloads
Data Management Lab: Session 1 Slides	700	4
Data Management Lab: Data management plan instructions	376	2
Data Management Lab: Data mapping exercise instructions	807	4
Data Management Lab: Data mapping exercise example	5407	5
Data Management Lab: Session 2 slides	432	2
Data Management Lab: Session 2 - Documentation Instructions	327	2
Data Management Lab: Session 3 Slides	645	2
Data Management Lab: Session 3 Data Review Checklist	402	3
Data Management Lab: Session 3 Data Entry Best Practices	384	2
Data Management Lab: Session 3 Data Coding Best Practices	270	2
Data Management Lab: Session 4 Slides	590	6
Data Management Lab: Session 4 Review Outline	538	3
Data Topics Series: Ensuring data quality	550	11
Data Topics Series: Preventing data loss	461	2
Data Topics Series: Practical Data Management Plans	400	2
<b>Metric Totals for Teaching RDM Materials</b>	<b>12,289</b>	<b>52</b>

\*Shared in 2014

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## DATA SOURCES: Publisher statistics (Digital Commons) & IUPUI ScholarWorks statistics

### GOALS:

- Apply principles of evidence-based practice to my work in developing and providing research data services.
- Contribute to the data librarian/specialists community by sharing my work openly.
- Contribute to the evidence base for research data services.

### OUTCOMES:

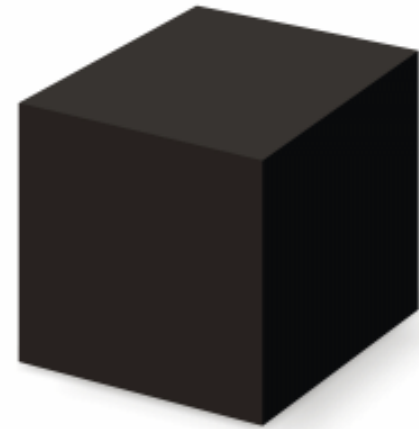
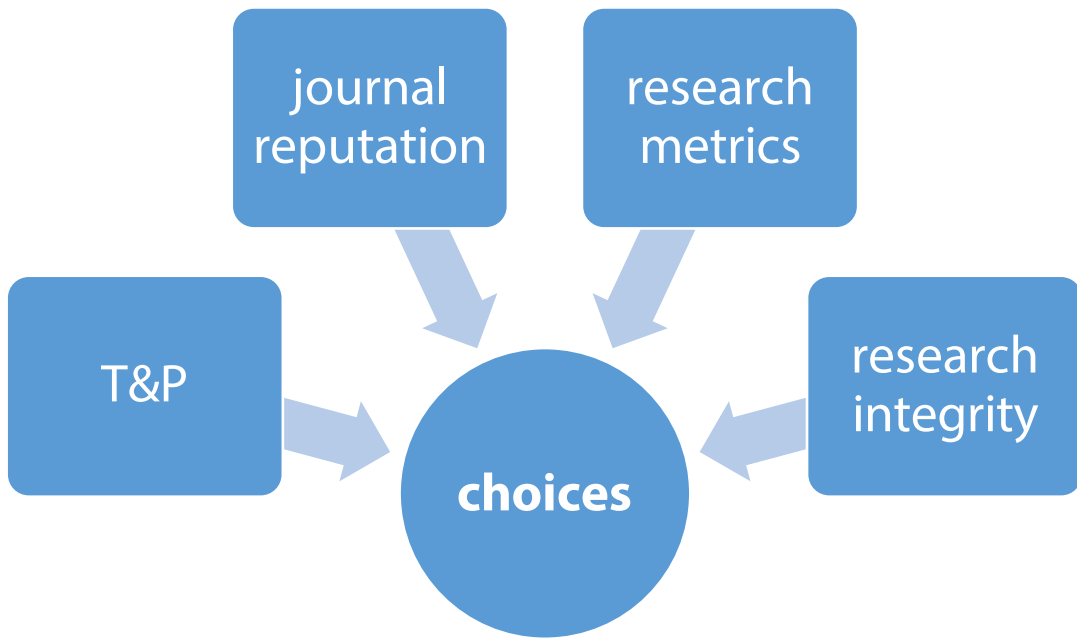
- Other data librarians/specialists find my scholarship useful in their own practice.

Product Title	Cites	ScholarWorks		Publisher/ Conference		International Reach
		Views	Down-loads	Views	Down-loads	
<a href="#">Opportunities in data curation: Integrating the library into the research process</a> (presentation)	0	495	217	--	--	
<a href="#">Improving user engagement in a data repository with web analytics</a> (presentation)	2	301	108	436	--	China, Germany, Greece, France, Czech Republic, India
<a href="#">Ensuring research integrity: The role of data management in current crises</a> (column)	3	66	30	3320	582	China, Canada
*Building Data Services From the Ground Up: Strategies and Resources (journal article)	2	53	17	--	814	Australia, China, UK, Ukraine, Sierra Leone
Building Data Management and Repository Services: The IUPUI Approach (presentation)	0	233	57	--	--	China, Venezuela
<b>Metric Totals for Research Data Services Scholarship</b>	<b>7</b>	<b>1148</b>	<b>429</b>	<b>3756</b>	<b>1396</b>	

\*Altmetrics summary: Blog posts on the Library Journal [INFOdocket](#) & [DigitalKoans](#); 19 Mendeley readers; 17|tweeters most of whom are data librarians, scholarly communication librarians, or library accounts; Source: [https://www.altmetric.com/details.php?domain=escholarship.umassmed.edu&citation\\_id=3057860](https://www.altmetric.com/details.php?domain=escholarship.umassmed.edu&citation_id=3057860)

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# Sources

1. Water drop: <http://blog.addgene.org/make-a-splash-notions-of-scientific-impact-are-evolving>
2. Fear: <http://upgradedape.com/wp-content/uploads/2014/10/fear.jpeg>
3. Shame: <http://deborahsdescendants.com/wp-content/uploads/2015/10/shame1.png>
4. Red tape: [http://i.telegraph.co.uk/multimedia/archive/02275/Redtape\\_1750758b\\_2275479b.jpg](http://i.telegraph.co.uk/multimedia/archive/02275/Redtape_1750758b_2275479b.jpg)
5. Social network: iStockPhoto ID 8506505

# **Heather Coates**

Digital Scholarship & Data Management Librarian  
IUPUI University Library Center for Digital  
Scholarship

[coateshl.wordpress.com](http://coateshl.wordpress.com)

<http://ulib.iupui.edu/digitalscholarship/impact>